

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. Contract ID Code Firm-Fixed-Price		Page 1 Of 7	
2. Amendment/Modification No.  P00001		3. Effective Date  2003MAR14		4. Requisition/Purchase Req No.  SEE SCHEDULE		5. Project No. (If applicable)	
6. Issued By TACOM AMSTA-AQ-AHEA LORETTA BURSEY (586)574-8115 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: BURSEYL@TACOM.ARMY.MIL		Code W56HZV		7. Administered By (If other than Item 6) DCMA DETROIT U.S. ARMY TANK & AUTOMOTIVE COMMAND (TACOM) ATTN: DCMAE-GJD WARREN, MI 48397-5000		Code S2305A	
				SCD A PAS NONE ADP PT HQ0337			
8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)  MINOWITZ MFG CO 27941 GROESBECK HWY ROSEVILLE MI 48066-2756  TYPE BUSINESS: Other Small Business Performing in U.S.				<input type="checkbox"/>		9A. Amendment Of Solicitation No.	
				<input type="checkbox"/>		9B. Dated (See Item 11)	
				<input checked="" type="checkbox"/>		10A. Modification Of Contract/Order No.  DAAE07-02-C-N115	
				<input type="checkbox"/>		10B. Dated (See Item 13)  2002SEP23	
Code 32842		Facility Code					
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. <b>FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.</b> If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. Accounting And Appropriation Data (If required) ACRN: AB NET INCREASE: \$75,848.00 <div style="text-align: right;">FMS REQUIREMENT</div>							
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS</b>							
KIND MOD CODE: G It Modifies The Contract/Order No. As Described In Item 14.							
<input type="checkbox"/>		A. This Change Order is Issued Pursuant To: The Contract/Order No. In Item 10A.				The Changes Set Forth In Item 14 Are Made In	
<input type="checkbox"/>		B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).					
<input checked="" type="checkbox"/>		C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of: Mutual Agreement of Both Parties					
<input type="checkbox"/>		D. Other (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return _____ copies to the Issuing Office.							
14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
SEE SECOND PAGE FOR DESCRIPTION							
Contract Expiration Date: 2004OCT30							
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. Name And Title Of Signer (Type or print)				16A. Name And Title Of Contracting Officer (Type or print) RICHARD K. KULCZYCKI KULCZYCR@TACOM.ARMY.MIL (586)574-7299			
15B. Contractor/Offeror  _____ (Signature of person authorized to sign)		15C. Date Signed		16B. United States Of America  By _____ /SIGNED/ (Signature of Contracting Officer)		16C. Date Signed  2003MAR14	
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE				30-105-02		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

**Name of Offeror or Contractor:** MINOWITZ MFG CO

## SECTION A - SUPPLEMENTAL INFORMATION

NOUN: MINE CLEARING BLADE

NSN: 2590-01-230-8862

1. The purpose of this Modification P00001 is as follows:

- a. Corrects the contract expiration date as shown on page 1 of 5 from 2003 Oct 30 to 2004 Oct 30.

- b. Change clause E-8 from "TACOM Clause 52-211-4016 CARC Paint-Pretreatment Requirements for Ferrous and Galvanized Surfaces SEP/2002", to "TACOM Clause 52-211-4016 TT-C-490, Type 1, Zinc Phosphate Pretreatment Systems For CARC May/2002".

- c. Incorporates the following Request for Deviations(RFD):

RFD Number

Title

2002.344.01D

Travel Lock Material

2002.344.02D

Sleeve Material

2002.344.03D

RH Pushbeam Material

- d. Incorporates Packaging Specification AK 14236535 as part of the Technical Data Package.

2. This Modification clarifies the TDP, P/N 12476120 Deflector Kit. The Skidshoes P/N 12476123 that appear as part of the Deflector Kit are not required to be delivered under this contract; however please note that the two Skidshoes elsewhere listed in the TDP are required.

3. This Modification P00001 exercises option clause H.12 as follows:

- a. Exercise Option SubClin 0002AA for quantity of 1 each Blade, Mine, Clearing at a unit price of \$75,848.00.

- b. The exercised option quantity represents less than 4% of the available option under this contract, there remains a quantity of 27 units available under the option.

- c. The paint color of the Blade, Mine, Clearing exercised under the Option SubClin 0002AA shall be Tan 686A CARC.

- d. The delivery date for the option quantity is 30 April 2004.

4. As a result of this modification the contract value is increased by \$75,848.00 from \$1,744,504.00 to \$1,820,352.00.

5. Except as provided herein all other terms and conditions remain unchanged and in full effect. The Contractor waives any further claims for equitable adjustment under this contract for Modification P00001.

\*\*\* END OF NARRATIVE A 001 \*\*\*

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN DAAE07-02-C-N115 MOD/AMD P00001	Page 3 of 7
--------------------	--	-------------

Name of Offeror or Contractor: MINOWITZ MFG CO

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002AA	<p>SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS</p> <p><u>PRODUCTION QUANTITY</u></p> <p>1</p> <p>NOUN: BLADE, MINE, CLEARING PRON: J526L460EH PRON AMD: 01 ACRN: AB AMS CD: UUR001C FMS CASE IDENTIFIER: EG-B-UUR</p> <p>OPTION QUANTITY, PURSUANT TO SECTION H OR I CLAUSE ENTITLED OPTION FOR INCREASED QUANTITY--- SEPARATELY PRICED LINE ITEM</p> <p>The quantity stated for the option <u>CLIN DOES NOT Form a part of the basic contractual quantity.</u> Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the Government.</p> <p>The available option quantity is 28 each. If exercised, the option unit price will be \$75,848.00</p> <p>(End of narrative B001)</p> <p><u>Description/Specs./Work Statement</u> TOP DRAWING NR: 13228E5945 DATE: 21-FEB-2002</p> <p><u>Packaging and Marking</u> PACKAGING/PACKING/SPECIFICATIONS: SPI AK12308862 UNIT PACK: 1 LEVEL PRESERVATION: Military LEVEL PACKING: A</p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin</p> <p><u>Deliveries or Performance</u> DOC SUPPL <u>REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD</u> 001 BEGB4N21549003 BA3UUR L BEGB00 3 <u>PROJ CD BRK BLK PT</u> BEG003 <u>DEL REL CD QUANTITY DEL DATE</u> 001 1 30-APR-2004</p> <p>FOB POINT: Origin</p> <p>SHIP TO: <u>Contact DCMA for shipping instructions</u></p>	1	EA	\$ 75,848.00000	\$ 75,848.00

Name of Offeror or Contractor: MINOWITZ MFG CO

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	MARK FOR: EGYPTIAN MINISTRY OF DEFENSE ARMOR DEPARTMENT STORE NO 67 EL NASER CITY CAIRO EGYPT				

<b>CONTINUATION SHEET</b>	<b>Reference No. of Document Being Continued</b> <b>PIIN/SIIN</b> DAAE07-02-C-N115 <b>MOD/AMD</b> P00001	<b>Page</b> 5 <b>of</b> 7
<b>Name of Offeror or Contractor:</b> MINOWITZ MFG CO		

SECTION E - INSPECTION AND ACCEPTANCE

E-8      52.211-4016      TT-C-490, TYPE 1, ZINC PHOSPHATE PRETREATMENT SYSTEMS FOR CARC      MAY/2002  
(TACOM)

- (a) Ferrous and galvanized surfaces shall be cleaned and pretreated with a Type 1, microcrystalline, zinc phosphate system per TT-C-490. Alternate pretreatment systems for ferrous substances must meet the performance tests specified in paragraphs 3.5.7, 3.5.8, 4.2.7, and 4.2.8 of TT-C-490. Corrosion resistance tests will be conducted on a monthly basis (two test coupons) after the process has been found to be in statistical control. Process control tests for alternative systems must ensure that the process remains in control and must be documented and approved by TACOM. Testing must be performed on the same substrate and the same thickness of primer minus topcoat used in production. Unless otherwise specified, MIL-P-53022 and -53030 primers shall be salt spray tested for 336 hours. All electrocoat primers shall be tested for 1000 hours. Test coupons shall be scrapped with a one inch (approximate) metal blade such as a putty knife between 24 and 168 hours after removal from the neutral salt spray cabinet for coupon evaluation. Any inorganic crystalline pretreatment is limited to a maximum build equivalent of 500 mg. per square foot to minimize chipping of the CARC system. All TT-C-490, zinc phosphate pretreatment systems must be documented and approved by the procuring activity prior to use. The procedure containing all the elements specified in paragraph 3.2 of TT-C-490 shall be submitted to the procuring activity no less than 45 days prior to use. Qualification will consist of verification that the process with its controls can meet the performance requirements in the specification. The performance of alternate systems must be demonstrated and approved by the procuring activity. If the TT-C-490 Type 1 system has not been previously approved by TACOM, it must be documented and submitted for approval as specified in the specification. Zinc phosphate systems for galvanized substrates require separate qualification. A list of previously qualified zinc phosphate application facilities is available from TACOM, Materials Engineering Team, (810) 574-5083. Requalification of the process will be required if the process is changed outside the limits defined in the TAOCM letter of system acceptance provided to the application facility.
- (b) Qualification of pretreatment systems for galvanized substrates shall be performed using Accelerated Corrosion Test protocol contained in GM 9540P, Method B, rather than salt spray. Test coupons with primer only shall be cured for seven days, and scribed thru the primer. After 40 cycle test exposure, the test coupons shall be scraped at a 30 degree contact angle (approximate) with a one inch (approximate) metal blade, such as a putty knife, both parallel and perpendicular to the scribe. There shall be no more than 3 mm. of rust creep (zinc corrosion products), blistering, or loss of paint adhesion from the scribe line and no more than 5 blisters in the field with non greater than 1 mm. This test shall be performed at two month intervals (two test coupons) to ensure that the process is in control. An alternative test for verifying process control is GM 9511P for 10 cycles.
- (c) Performance tests for process control are highly dependent on the type, thickness, and VOC level of the organic coating (primer) film and its adhesion to the substrate. Any change to the solvents used in the primer or changing the brand of primer will require retesting of the system. The test coupons must duplicate the production painting process as closely as possible. Primer test coupons shall represent both the minimum and maximum nominal dry film thickness. Due to the wide variation in zinc thickness with the hot dip galvanizing process, the dry film thickness of the primer will be verified with a Tooke gage or equivalent for the purpose of production and process control.
- (d) The use of vinyl wash primer (DOD-P-15328) is prohibited due to its hexavalent chromium content and high VOC level.

[End of Clause]

\*\*\* END OF NARRATIVE E 002 \*\*\*

Name of Offeror or Contractor: MINOWITZ MFG CO

SECTION G - CONTRACT ADMINISTRATION DATA

LINE	PRON/	OBLG STAT/	INCREASE/DECREASE		CUMULATIVE
<u>ITEM</u>	<u>AMS CD</u>	<u>ACRN</u> <u>JOB ORD NO</u>	<u>PRIOR AMOUNT</u>	<u>AMOUNT</u>	<u>AMOUNT</u>
0002AA	J526L460EH	AB 2	0.00	\$ 75,848.00	\$ 75,848.00
	UUR001C	2CNJLR			
			NET CHANGE	\$ 75,848.00	

SERVICE	NET CHANGE	ACCOUNTING		INCREASE/DECREASE
<u>NAME</u>	<u>BY ACRN</u>	<u>ACCOUNTING CLASSIFICATION</u>	<u>STATION</u>	<u>AMOUNT</u>
Army	AB	9711 X8242EG01X6D1000UUR 00131E1EGS20113	W56HZV	\$ 75,848.00
NET CHANGE				\$ 75,848.00

PRIOR AMOUNT		INCREASE/DECREASE	CUMULATIVE
<u>OF AWARD</u>		<u>AMOUNT</u>	<u>OBLIG AMT</u>
NET CHANGE FOR AWARD:	\$ 1,744,504.00	\$ 75,848.00	\$ 1,820,352.00

CONTINUATION SHEET	Reference No. of Document Being Continued		Page 7 of 7
	PIIN/SIIN DAAE07-02-C-N115	MOD/AMD P00001	
Name of Offeror or Contractor: MINOWITZ MFG CO			

SECTION H - SPECIAL CONTRACT REQUIREMENTS

Status	Regulatory Cite	Title	Date
H-1 CHANGED	52.217-4001 (TACOM)	SEPARATELY PRICED OPTION FOR INCREASED QUANTITY	APR/1997

- (a) The Government hereby reserves the right to increase the quantity of the contract item up to an additional quantity of 28 units. The unit price for such option quantity shall be as set forth in CLIN 0002AA (Option unit price \$75,848.00). This option may be exercised by the Government at any time, but in any event not later than 210 days after final FAT approval. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option.
- (b) Delivery of the items added by the exercise of this option shall continue immediately after, and at the same rate as, delivery of like items called for under this contract, unless the parties hereto otherwise agree.
- (c) Additionally, prior to the expiration of the original option period identified in paragraph (a) above, the Government may seek a bilateral extension of the option period for an additional period not to exceed 90 days from the expiration date of the original option period.
- [End of Clause]